| <br> | Claims |  |
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| Apr | licat | ion | No. |
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10/635,631

Examiner

Applicant(s)

KUSAKA, HIROYUKI

Art Unit

2833

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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Phuongchi Nguyen

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| Cla      | im  |          |          |          |          | Date     | 3            |          |               |          | -   |
|----------|---|----------|----------|----------|----------|----------|--------------|----------|---------------|----------|-----|
| Final    | Original  | 4/20/04  |          |          |          |          |              |          |               |          |     |
|          | 1   | 7        | _        |          | -        | -        | _            | _        |               |          | ٠.  |
|          | 2   | 7777     | _        |          |          |          |              | _        |               |          |     |
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|          | 4   | 7        | _        |          |          |          |              |          |               |          |     |
|          | 5   | 1        |          |          |          |          |              |          |               |          |     |
|          | 1<br>2<br>3<br>4<br>5<br>6                              | 1        |          |          |          |          |              |          |               |          |     |
|          | 7   |          |          |          |          |          |              |          |               |          |     |
|          | 8   | 1        |          |          |          |          |              |          |               |          |     |
|          | 9   | 1        |          |          |          |          |              |          |               |          |     |
|          | 10  |          |          |          |          | <u> </u> |              | _        |               |          |     |
|          | 11  | 1        |          | _        | $\vdash$ | _        | _            |          | _             | _        |     |
|          | 12  | 1        |          | _        |          |          |              |          |               | <u> </u> | ľ   |
|          | 13  | 1        |          |          |          |          |              |          |               |          |     |
|          | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 1        | <u> </u> |          |          |          | <u> </u>     | L        | _             |          | `1  |
|          | 15  | 44       | -        | _        |          |          | <u> </u>     |          |               |          | ٠;  |
|          | 16  |          | _        |          | -        | _        | -            | -        | _             | -        |     |
|          | 10  | 77       | -        |          | _        |          |              | -        | $\vdash$      | -        |     |
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|          | 20  | 77       |          |          | _        | H        | -            | -        |               |          |     |
|          | 20<br>21  | ř        |          | $\vdash$ | -        | -        | $\vdash$     |          | $\vdash$      |          |     |
|          | 22  | $\vdash$ | -        |          | $\vdash$ |          | <u> </u>     |          | -             |          |     |
|          | 22<br>23<br>24  |          | _        |          | $\vdash$ |          | $\vdash$     | $\vdash$ | _             | $\vdash$ |     |
|          | 24  |          |          |          | $\vdash$ |          | _            | Г        | $\vdash$      |          | 171 |
|          | 25  |          |          |          |          |          |              |          | Г             |          | ď   |
|          | 26  |          |          |          |          |          |              |          |               |          |     |
|          | 25<br>26<br>27  |          |          |          |          |          |              |          |               |          | •   |
|          | 28<br>29  |          |          |          |          |          |              |          |               |          |     |
|          | 29  |          |          |          |          | <u></u>  |              | L_       |               |          |     |
|          | 30<br>31  |          |          |          | _        | <u> </u> | _            | _        | <u> </u>      | _        |     |
|          | 31  |          |          |          |          | _        | _            | <u> </u> | _             | L.       |     |
|          | 32  | _        |          |          | _        |          | <u> </u>     | <u> </u> |               |          | :   |
|          | 33<br>34  | _        |          | _        | _        | <u> </u> | _            | <u> </u> |               | _        |     |
|          | 34  |          | <u> </u> |          | <u> </u> | <u> </u> | <u> </u>     | <u> </u> |               | -        |     |
|          | 35  | $\vdash$ | _        |          |          | <u> </u> | -            | _        | $\vdash$      | -        |     |
|          | 36<br>37  | -        | -        | <u> </u> | _        | ┝        | -            |          | H             | -        |     |
|          | 38  | ┝        | _        | _        | _        | ┝        | ├            | -        | -             | -        |     |
| <u> </u> | 38<br>39  | -        | -        | _        | -        | -        | <del> </del> | -        | <del> -</del> | -        |     |
|          | 40  | -        | ┝        | _        | -        | -        | $\vdash$     |          | ┝             | $\vdash$ | 1   |
|          | 41  |          | $\vdash$ | -        |          | -        | ┢╾           | -        | $\vdash$      | -        | ١.  |
|          | 42  | -        | -        |          |          | -        | $\vdash$     |          | -             | -        | 1   |
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|          | 45  |          | Г        |          |          | Г        |              |          |               |          |     |
|          | 46  |          |          |          |          |          |              |          |               |          | ].  |
|          | 47  |          |          |          |          |          |              |          |               |          | ľ   |
|          | 48  |          |          |          |          |          |              |          |               |          |     |
|          | 49  |          | 匚        | 匚        |          |          |              |          |               |          |     |
|          | 50  |          |          |          |          | Γ        |              |          |               |          |     |

| Eul Eul   51 52   53 54   55 56   57 58   59 60   61 62   63 64   65 66   67 68   69 70   71 72   73 74   75 76   77 78   79 80   81 82   83 83                            |        |
|--|--------|
| 51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 |        |
| 57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79                                     |        |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79   |        |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>74<br>75<br>76<br>77<br>78<br>79   |        |
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| 68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79   | -      |
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| la       | im       | Date     |          |                    |          |          |                                     |          |                | · .          | Cl  | aim  |          | [         |          |          |   |              |                |                           |          |          |
|----------|----------|----------|----------|--------------------|----------|----------|-------------------------------------|----------|----------------|--------------|-----|--|----------|-----------|----------|----------|---|--------------|----------------|---------------------------|----------|----------|
| П        |          |          |          |                    |          |          |                                     |          |                |              | 1   |  |          |           |          |          |   |              | ľ              |                           |          |          |
| i        | Original |          |          |                    |          |          |                                     |          |                |              |     | ज  | Original |           |          |          |   |              |                |                           |          |          |
|          | ij       |          |          |                    |          |          |                                     |          |                |              | 1   | Final  | ij       |           |          |          |   |              |                |                           |          |          |
| .        | Ō        |          |          |                    |          |          |                                     |          |                |              | ١.  | -  | Õ        |           |          |          |   |              |                |                           |          |          |
| ┪        | 51       | -        | -        | -                  | -        |          | -                                   |          | -              |              |     | ┝  | 101      | $\vdash$  |          |          |   | $\vdash$     | ╁              | ├                         | $\vdash$ | Н        |
| $\dashv$ | 52       | $\vdash$ | Н        | $\vdash$           | -        | _        | _                                   | _        | -              | $\vdash$     | ŀ   | <del>                                     </del> | 102      | -         |          |          |   | _            | $\vdash$       | ┢                         | $\vdash$ | Н        |
| $\dashv$ | 53       | $\vdash$ | Н        | $\vdash$           | $\vdash$ | $\vdash$ | _                                   | -        | -              | $\vdash$     |     | ┝  | 103      | Н         | -        | _        |   |              | $\vdash$       | H                         | $\vdash$ | $\vdash$ |
| $\dashv$ | 54       | -        | Н        | ⊢                  | $\vdash$ | _        | -                                   | _        | -              | -            | ľ   | $\vdash$   | 104      | $\vdash$  | _        |          |   | _            | ┢              | ┢                         | $\vdash$ | $\vdash$ |
| $\dashv$ | 55       | -        | H        | ┢                  |          | _        | -                                   | _        | ┝              | -            |     | <u> </u>   | 105      | $\vdash$  | $\dashv$ |          |   | _            | $\vdash$       | ┢                         | $\vdash$ | Н        |
| +        | 56       | -        |          | ┢                  | $\vdash$ | _        | -                                   | -        | -              | -            | -   | -  | 106      | -         |          |          |   | -            | ⊢              | ⊢                         | H        | Н        |
| +        | 57       | -        | $\vdash$ | ┝                  | $\vdash$ | -        | $\vdash$                            |          | -              | ├            | 1   | -  | 107      |           | -        |          | _ |              | $\vdash$       | ⊢                         | $\vdash$ | $\vdash$ |
| +        | 58       |          |          | ┢                  | $\vdash$ |          | -                                   |          | $\vdash$       | <del> </del> | ł   | -  | 108      | $\vdash$  | -        |          | _ | <u> </u>     | ⊢              | -                         | -        |          |
| +        | 59       | $\vdash$ | -        | -                  | $\vdash$ |          | $\vdash$                            |          | $\vdash$       | $\vdash$     | ١.  | <del> </del>                                     | 109      | $\vdash$  | -        |          | - | $\vdash$     | -              | $\vdash$                  | $\vdash$ | $\dashv$ |
| +        | 60       | H        | H        | ⊢                  | $\vdash$ |          | $\vdash$                            |          | ┝              | $\vdash$     |     |  | 110      |           |          |          | _ | $\vdash$     | $\vdash$       | $\vdash$                  | $\vdash$ | $\dashv$ |
| $\dashv$ | 61       | Н        | $\vdash$ | ┝                  | $\vdash$ |          | -                                   |          | ├─             |              | 1   | <u> </u>   | 111      | Н         |          |          |   | ⊢            | $\vdash$       | $\vdash$                  | $\vdash$ | $\dashv$ |
| -        | 62       | <u> </u> | -        | -                  | $\vdash$ |          | -                                   |          | $\vdash$       | ┝            | 1   | <u> </u>   | 112      | $\vdash$  | -        |          |   |              | ⊢              | $\vdash$                  | H        | $\vdash$ |
| $\dashv$ | 63       | ├        | -        | ├-                 | $\vdash$ | -        | <del> </del>                        | $\vdash$ | $\vdash$       | <del> </del> | ý.  | <del>                                     </del> | 113      |           | $\vdash$ |          |   | $\vdash$     | $\vdash$       | $\vdash$                  | $\vdash$ | $\dashv$ |
| $\dashv$ | 64       | ├        |          | $\vdash$           |          | -        | <del> </del>                        | -        | -              | -            |     | <u> </u>   | 114      | $\vdash$  | -        | _        | _ | $\vdash$     | ├              | $\vdash$                  | -        | $\dashv$ |
| $\dashv$ | 65       |          | -        |                    | -        | -        | $\vdash$                            | H        |                | -            |     | <del> </del>                                     | 115      | $\vdash$  |          | -        |   | -            | -              | ├—                        | -        | $\vdash$ |
| -        |          | ⊢        | -        | ⊢                  |          | _        | <u> </u>                            | H        | -              | _            |     |  |          | Н         |          |          |   | _            |                | -                         |          |          |
| -        | 66       | $\vdash$ | $\vdash$ | ⊢                  | $\vdash$ | <u> </u> |                                     | <u> </u> | <del> </del> — | ⊢            | 1   |  | 116      | $\vdash$  | -        |          |   | <del> </del> | <del> </del> — | ⊢                         | -        | Н        |
| -        | 67       | <u> </u> | -        | <u> </u>           |          |          | -                                   | ┝        | -              | -            |     |  | 117      |           |          |          |   | _            | ⊢              | ├                         |          | -        |
| 4        | 68       |          | <u> </u> | _                  | _        | _        | ļ                                   | <u> </u> |                | <u> </u>     | -   |  | 118      | Н         |          |          |   |              | ⊢              | <del> </del>              |          |          |
| -        | 69       | Ь        |          | _                  |          |          | <u> </u>                            | <u> </u> | <u> </u>       | <u> </u>     |     |  | 119      | -         |          |          | _ | _            | _              |                           | _        | _        |
| 4        | 70       | <u> </u> | <u> </u> |                    |          | <u> </u> | _                                   | ļ        |                | _            |     |  | 120      |           | _        | _        | _ |              | <del> </del>   | <u> </u>                  | -        |          |
| _        | 71       |          | <u> </u> |                    | L        |          | <u> </u>                            | <u> </u> | _              | <u> </u>     |     |  | 121      | $\sqcup$  |          |          |   | <u> </u>     | _              | _                         | _        |          |
| _        | 72       |          |          | <u> </u>           |          |          | _                                   | <u> </u> | _              | _            |     |  | 122      | $\square$ |          |          |   | <u> </u>     | _              | <u> </u>                  |          | Н        |
| _        | 73       |          | <u></u>  |                    | _        | L        | <u> </u>                            | <u> </u> | _              | <u> </u>     |     |  | 123      | $\vdash$  | _        |          |   | ┡            | L              | L                         |          | Н        |
| _        | 74       | _        | _        |                    | <u> </u> |          | L                                   | <u> </u> | <u> </u>       | <u> </u>     |     |  | 124      | <b> </b>  |          |          |   | <u> </u>     | <u> </u>       |                           | _        | Ш        |
| 4        | 75       |          | <u> </u> |                    | <u> </u> | _        | <u> </u>                            | _        | _              | <u> </u>     | 777 |  | 125      | Н         |          |          |   | <u> </u>     | <u> </u>       | <u> </u>                  | _        | Ш        |
|          | 76       |          | _        |                    | _        | _        | _                                   | _        | <u> </u>       | _            |     |  | 126      |           |          |          |   | <u> </u>     |                | <u> </u>                  | _        | Н        |
| _        | 77       | L_       | L        | _                  | L        |          |                                     |          |                | _            |     |  | 127      | Ш         |          |          |   |              | <u> </u>       | L                         | _        | Ш        |
|          | 78       |          | <u> </u> |                    | L        |          | _                                   | <u> </u> | <u> </u>       | _            |     |  | 128      | $\sqcup$  | _        |          | _ | _            | _              | <u> </u>                  | <u> </u> | Ш        |
| _        | 79       | _        | L_       | L                  | L        |          | _                                   | ļ        | <u> </u>       | <u> </u>     | , . |  | 129      | Ш         |          |          |   | _            | _              | _                         | _        | Ш        |
| _        | 80       |          | L.       |                    |          |          | L                                   | _        | _              | _            | . : |  | 130      | Щ         |          |          |   | _            | <u> </u>       | ᆫ                         | _        | Ш        |
| _        | 81       | L        |          |                    |          | _        | _                                   | <u> </u> | <u> </u>       | L            |     |  | 131      |           |          |          |   |              | <u> </u>       | L                         | L_       | Щ        |
| _        | 82       |          | L_       |                    | L_       | _        | $\vdash$                            |          | <u>L</u>       | L_           | 1   |  | 132      |           |          |          |   | _            | _              | L.,                       | _        | Ш        |
| _        | 83       | L        |          |                    | _        |          | _                                   | _        |                | <u> </u>     | 1   |  | 133      |           |          |          |   | _            | _              |                           | ldash    | Ш        |
|          | 84       | L_       |          | <u> </u>           |          | L_       | _                                   | _        | _              | <u> </u>     | 1   | <u> </u>   | 134      | igsqcup   |          |          |   | <u> </u>     | <u>_</u>       | _                         | <u> </u> | Ц        |
| _        | 85       | L        | L.       | _                  | <u> </u> | <u> </u> | L_                                  | _        | _              | L            |     | $ldsymbol{ldsymbol{eta}}$                        | 135      |           |          | _        |   | _            | _              |                           | <u> </u> | Ш        |
| ╛        | 86       | L        |          | L_                 | L_       |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | _              | L_           | ້   | <u> </u>   | 136      | Ш         |          | L        | _ | <u> </u>     | <u> </u>       | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | Ш        |
| _        | 87       | L        | L        | <u> </u>           | <u> </u> | L_       | L                                   | <u> </u> | <u> </u>       | <u> </u>     |     | ļ  | 137      | Ш         |          | L.,      |   | <u> </u>     |                |                           | _        | Ш        |
| _        | 88       |          |          | _                  |          |          | _                                   | <u> </u> | _              | <u> </u>     | 1   | <u> </u>   | 138      | $\sqcup$  |          |          |   | _            | _              | _                         | _        | Ш        |
| $\Box$   | 89       |          |          | <u> </u>           | _        |          | L_                                  | oxdot    | <u>_</u>       | <u> </u>     | ١.  |  | 139      | Ш         |          |          |   |              | <u> </u>       | _                         | <u> </u> | Ш        |
| _        | 90       | ·        |          | _                  |          | _        | _                                   | <u> </u> | _              | <u> </u>     | 1   | <u> </u>   | 140      | Ш         |          |          |   | _            | <u> </u>       | <u>_</u>                  | <u> </u> | Ш        |
|          | 91       | L_       |          |                    | <u> </u> | L        |                                     | <u> </u> | <u> </u>       | <u>_</u>     | ;   |  | 141      | Ш         |          | _        | _ |              | _              |                           | <u> </u> | Ш        |
| $\Box$   | 92       |          | <u> </u> | $oxedsymbol{oxed}$ |          | <u> </u> |                                     | _        |                | L            |     | <u></u>  | 142      | Ш         |          |          |   | <u> </u>     | _              |                           | <u></u>  | Ш        |
|          | 93       |          |          |                    | 匚        |          |                                     |          |                |              |     |  | 143      | Ш         |          | <u> </u> |   | <u> </u>     | _              | _                         |          | Ш        |
|          | 94       | Ĺ        | Ĺ        | L                  | L        | $\Box$   | $\Box$                              |          | L              | 匚            | ]   |  | 144      |           |          |          |   |              |                |                           |          | $\Box$   |
|          | 95       |          |          |                    |          |          |                                     |          |                |              | ]   |  | 145      |           |          |          |   |              |                |                           |          |          |
|          | 96       |          |          |                    |          |          |                                     |          | 匚              |              | ]   |  | 146      |           |          |          |   |              | 匚              |                           |          |          |
|          | 97       |          |          |                    |          |          |                                     |          |                |              | 1   | L  | 147      |           |          |          |   |              | 匚              |                           |          |          |
|          | 98       |          |          |                    |          |          |                                     |          |                |              | ]   |  | 148      |           |          |          |   |              |                |                           |          |          |
|          | 99       |          |          |                    |          |          |                                     |          |                |              | ]   |  | 149      |           |          |          |   |              |                |                           |          |          |
|          | 100      |          |          | $\Box$             |          |          |                                     |          |                | $\Box$       | ]   |  | 150      |           |          |          |   |              |                |                           |          |          |
| _        |          |          |          |                    |          |          |                                     |          |                |              | -   |  |          |           |          |          |   |              |                |                           |          |          |